

Patent Claims

1. A basal finger joint implant, wherein the implant (1) is an uncoupled, two-part implant.
2. The basal finger joint implant as claimed in claim 1, wherein the implant (1) consists of two monolithic components, the proximal component (2), consisting of the hollow-ball-shaped socket bearing (3) with the proximal shaft (4), and the distal component (5), consisting of a ball (6) which is mounted in the socket bearing (3) and is implanted in the finger bone by means of the distal shaft (7).
3. The basal finger joint implant as claimed in claim 1 or 2, wherein the implant (1) has congruent, spherical sliding surfaces, one of which is the hollow-ball-shaped socket bearing (3) and the other of which is the surface of the ball (6).
4. The basal finger joint implant as claimed in one of claims 1 to 3, wherein the bearing surface (8) of the socket bearing (3) extends beyond the equatorial plane (9) as protection against luxation.

5. The basal finger joint implant as claimed in one of claims 1 to 4, wherein adduction is ensured by a cutout (10), which is suitable for movement, in the proximal component (2), and, on full extension of the phalanges, abduction/adduction of up to +/- 30 angular degrees is possible.
6. The basal finger joint implant as claimed in one of claims 1 to 5, wherein, as flexion increases, in other words as bending of the finger increases, the guidance of the distal shaft (7) is designed in such a manner that both abduction and adduction are increasingly restricted.
7. The basal finger joint implant as claimed in one of claims 1 to 6, which consists entirely of ceramic.
8. The basal finger joint implant as claimed in claim 7, which consists entirely of aluminum oxide ceramic.
9. The basal finger joint implant as claimed in one of claims 1 to 8, wherein the proximal shaft (4) and the distal shaft (7) have a coating which promotes bone ingrowth, or osteointegration.

- 6 -

10. The basal finger joint implant as claimed in claim 9, wherein the coating promoting bone ingrowth is hydroxyapatite.
11. The basal finger joint implant as claimed in one of claims 1 to 8, wherein the proximal shaft (4) and the distal shaft (7) have a porous structure which promotes bone ingrowth, or osteointegration.